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Organic Electronics II

More Materials and Applications

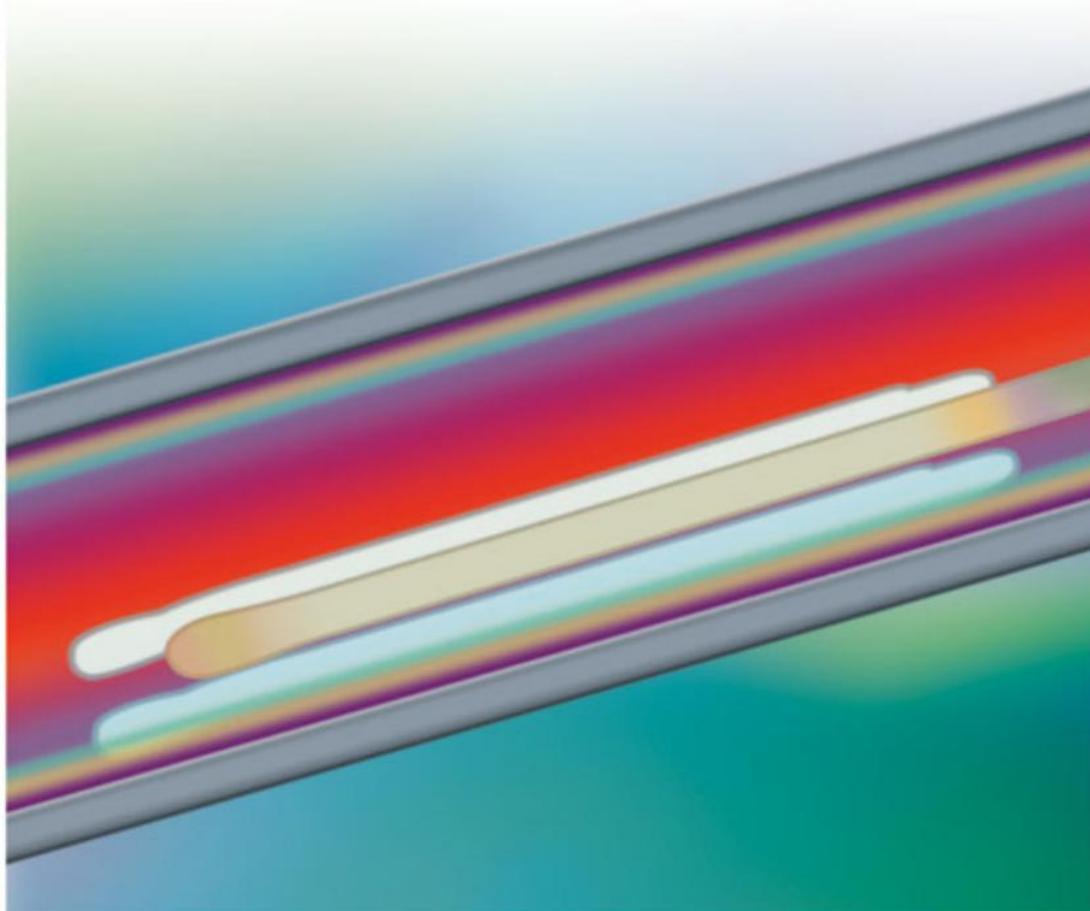


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Cover

The Cover was provided by Huai-Yuan Tseng working in the group of Vivek Subramanian at the University of California, Berkeley.

It shows an optical micrograph of a selfaligned organic transistor manufactured entirely by inkjet printing.

Back Cover

The structure on the back cover was kindly provided by John Anthony.

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Preface

Organic Electronics is not only a fascinating field of research and development, but also one that continues to move ahead at a swift pace. And thus six years after the first installment of this book series (*Organic Electronics - Materials, Manufacturing, and Applications*, Wiley-VCH, 2006) it was time for an update. The 12 chapters of the sequel provide a detailed look at some important new developments and advancements in the field of organic thin-film transistors, including novel semiconductors for p-channel and n-channel organic transistors, advanced thin-film characterization techniques, new insights into charge transport in organic semiconductors, research into low-voltage electrolyte-gated transistors, solution-processing techniques and high-resolution printing approaches for the manufacture of organic transistors, the science and technology of organic light-emitting transistors, and advanced design strategies for large-scale organic integrated circuits.

Once again, I am deeply indebted to the many professionals who have contributed to this book. First and foremost I would like to extend my sincere gratitude to the 42 authors who have taken time out of their busy schedules to share their wisdom and knowledge. Second I want to thank Martin Preuss, Bernadette Gmeiner, and Bente Flier at Wiley-VCH for the encouragement and organizational oversight to make this book happen. And finally my thanks go out to the readers of both the first and second book of this series for their interest.

Stuttgart, 2011

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